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OM protein - protein search, using sw model

Run on: October 26, 2002, 21:07:33 ; Search time 19 Seconds (without alignments)

Perfect score: 1273

Sequence: 1 MDQEQENYEWDQWGRCTCQR.....AQQLFSLDSVP1PQQQQGPEM 231

Scoring table: BLOSUM62

Gappop 10.0 , Gapext 0.5

Searched: 283138 seqs, 96089334 residues

Total number of hits satisfying chosen parameters: 283138

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database : PIR_71:*

1: p1r1:*

2: p1r2:*

3: p1r3:*

4: p1r4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 152.5 12.0 260 1 A46517 CD27 antigen precursor - human

2 145.5 11.4 455 1 GQHUTL N; Alternative names: CD27L receptor; T cell activation antigen CD27

3 145.1 11.4 454 1 GQMSLT C; Species: Homo sapiens (man)

4 143.5 11.3 450 1 A46503 C; Date: 18-Jun-1993 #sequence_revision 22-Apr-1995 #text_change 22-Jun-1999

5 134.5 10.6 461 2 JC4302 C; Accession: A46517; A4654

6 134.0 10.5 435 2 I54182 R; Loenen, W.A.; Gravesteen, L.A.; Beumer, S.; Melief, C.J.; Hagemeyer, A.; Borst, J

7 132.5 10.4 461 1 A35356 A; Title: Genomic organization and chromosomal localization of the human CD27 gene.

8 130.0 10.2 461 1 GQRTT1 R; Camerini, D.; Walz, G.; Loenen, W.A.; Borst, J.; Seed, B.

9 129.5 10.2 256 2 B32393 J; Immunol. 147, 3165-3169, 1991

10 129.5 10.2 327 2 A46484 A; Status: not compared with conceptual translation

11 129.0 10.1 314 2 I37383 A; Molecule type: DNA

12 124.5 9.8 255 2 I38426 A; Reference number: 1-250 <LOE>

13 122.0 9.6 1006 2 S12783 A; Note: Sequence extracted from NEBI backbone (NCBIBIN:60285, NCBIP:60289)

14 121.0 9.5 324 2 JC2395 A; Authors propose an alternative repeat pattern

15 119.0 9.3 335 2 A40036 R; Loenen, W.A.; Gravesteen, L.A.; Beumer, S.; Melief, C.J.; Hagemeyer, A.; Borst, J

16 118.0 9.3 474 2 B38634 A; Accession: A46454; MUID:92013149

17 116.5 9.2 416 1 JN0006 A; Reference number: 1-250 <LOE>

18 114.5 9.0 271 2 S12783 A; Note: Sequence extracted from NEBI backbone (NCBIBIN:60285, NCBIP:60289)

19 114.5 9.0 326 1 GQVZML A; Authors propose an alternative repeat pattern

20 114.5 9.0 326 1 GQVZML A; Authors propose an alternative repeat pattern

21 112.5 8.8 651 2 JC7705 A; Authors propose an alternative repeat pattern

22 111.0 8.7 272 2 I4874 A; Authors propose an alternative repeat pattern

23 110.5 8.7 1639 1 MMFFB2 A; Authors propose an alternative repeat pattern

24 109.0 8.6 814 2 G02390 A; Authors propose an alternative repeat pattern

25 108.5 8.5 1548 2 S34583 A; Authors propose an alternative repeat pattern

26 107.5 8.4 570 2 T37314 A; Authors propose an alternative repeat pattern

27 107.5 8.4 942 2 D87803 A; Authors propose an alternative repeat pattern

28 105.0 8.2 1369 2 S7070 A; Authors propose an alternative repeat pattern

29 104.0 8.2 1299 2 T43251 A; Authors propose an alternative repeat pattern

RESULT 1

A46517

CD27 antigen precursor - human

N; Alternative names: CD27L receptor; T cell activation antigen CD27

C; Species: Homo sapiens (man)

C; Date: 18-Jun-1993 #sequence_revision 22-Apr-1995 #text_change 22-Jun-1999

C; Accession: A46517; A4654

R; Loenen, W.A.; Gravesteen, L.A.; Beumer, S.; Melief, C.J.; Hagemeyer, A.; Borst, J

J; Immunol. 147, 3165-3169, 1991

A; Title: Genomic organization and chromosomal localization of the human CD27 gene.

A; Reference number: A46517; MUID:9309588

A; Accession: A46517

A; Status: not compared with conceptual translation

A; Molecule type: DNA

A; Residues: 1-250 <LOE>

A; Note: Sequence extracted from NEBI backbone (NCBIP:120386)

A; Note: Authors propose an alternative repeat pattern

R; Camerini, D.; Walz, G.; Loenen, W.A.; Borst, J.; Seed, B.

J; Immunol. 147, 3165-3169, 1991

A; Title: The T cell activation antigen CD27 is a member of the nerve growth factor/tnf

A; Reference number: A46517; MUID:92013149

A; Accession: A46454

A; Molecule type: mRNA

A; Residues: 1-58, 'A', 60-260 <CAM>

A; Cross-references: GB:MG3928; NID:9180084; PIDN:AAA59411.1; PID:9180085

A; Note: sequence extracted from NEBI backbone (NCBIBIN:60285, NCBIP:60289)

C; Comment: A soluble CD27 found in serum and urine is formed by proteolysis.

C; Genetics:

A; Gene: GDB:CD27

A; Cross-references: GDB:132582; OMIM:186711

A; Map position: 12p13-12p13

A; Gene: GDB:CD27

A; Cross-references: GDB:132582; OMIM:186711

A; Map position: 12p13-12p13

A; Introns: 4/71; 90/71; 150/1; 180/71; 220/1

C; Superfamily: CD27 antigen; NGF receptor repeat homology

C; Keywords: duplication; glycoprotein; homodimer; phosphoprotein; receptor; surface

F; 1-20/Domain: signal sequence #status predicted <SIG>

F; 21-260/Domain: CD27 antigen #status predicted <MAT>

F; 21-191/Domain: extracellular #status predicted <EXT>

F; 27-63/Domain: NGF receptor repeat homology <NG1>

F; 65-110/Domain: NGF receptor repeat homology <NG2>

F; 121-188/Region: proline/serine/threonine-rich

F; 191-211/Domain: transmembrane #status predicted <TMN>

F; 212-260/Domain: intracellular #status predicted <INT>

F; 95/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 12.0%; Score 152.5; DB 1; Length 260;

Best Local Similarity 25.9%; Pred. No. 1.6e-05;

Matches 72; Conservative 29; Mismatches 78; Indels 99; Gaps 18;

QY 3 CQENEWYDQWGRCTCVRQCPGQELSKDCGEGGDAYCTACPPRRYKSSWGH--KQQ 59

Db 27 CPERHYWQKLC--CQMCBPGTFLVKDCDQ-HRKTACDPCIP-GYSSPDPDHTRPHCE 82

F	235-455/Domain: intracellular	#status predicted <INT>
F	54,145,151/Binding site: carbohydrate (Asn) (covalent)	#status predicted
Query Match	Best Local Similarity 11.4%; Score 145.5; DB 1; Length 455;	
Matches	66; Conservative 36; Mismatches 103; Indels 99; Gaps 14;	
QY	3 COENEYWDQWGCYVTCQCGPGQELSKDGCYEGGDAVCTACPPRKYSSWGH-HKCQSC 61	
DB	44 CPGKYIHPQNSICCTCKHCKGTYLYNDCP-GPGQDTCRECESGSETASENHLRHLSC 102	
QY	62 ITC-AVIRVKVNTATSNAVGDCI-PRFYK----- 93	
DB	103 SKCRKEMQVEISSLSCVYRDTWCG-CIRNOYHYHSWNLFCQFCNSLCLNGVHLSQEK 161	
QY	94 -----TRIGG--LQDQECIPTKQTPSEVQCAFQFOLSLVEADAPTVPQEAAT-----L 139	
DB	162 QWVNCAGHAGFIRENCVSCS-----RQKSLCCTKLGQIENVKGSTDGTVL 213	
QY	140 VALVSSL-LVVTIAFLAFGLGLEFLYCK--QFFRHC---DRGGGLQFEADTKAEESLF 190	
DB	214 LPVVIFFGCLLSSLFLGMLYRQWKSLSKLYSIVCGKSTPERKELEGTTKPLAPNPF 273	
QY	191 -----PVPSSKETRSQSWAPES-----LQAFS 216	
DB	274 SPPPGFPTPLGSPVPSSFTSS--TYTPDCPNFAAPRREVAPPYQAGADPLATALA 330	
QY	217 LDPVPIQQ 226	
DB	331 SPPIPNLQK 340	
RESULT 3		
QGMSL	tumor necrosis factor receptor 1 precursor - mouse	
N	Alternate names: tumor necrosis factor receptor, 55K	
C	Species: Mus musculus (house mouse)	
C	Date: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 01-Dec-2000	
C	Accession: A38634; B40254; S19021; I54532; I57026	
R	Lewis, M.; Tarraglia, L.A.; Lee, A.; Bennett, G.L.; Rice, G.C.; Wong, G.H.W.; Chen, E.	
Proc. Natl. Acad. Sci. U.S.A. 88, 2830-2834, 1991		
A	Title: Cloning and expression of cDNAs for two distinct murine tumor necrosis factor α	
A	Reference number: A38634; MUID:91187885	
A	Accession: A38634; MUID:91187885	
A	Molecule type: mRNA	
A	Residues: 1-454 <LEN>	
A	Cross-references: GB:M60468; NID:9199825; PIDN:AAA39751; PID:9199826	
R	Goodwin, R.G.; Anderson, D.; Jerzy, R.; Davis, T.; Brannan, C.I.; Copeland, N.G.; Jenk	
Mol. Cell. Biol. 11, 3020-3026, 1991		
A	Title: Molecular cloning and expression of the type 1 and type 2 murine receptors for	
A	Reference number: A40254; MUID:91246168	
A	Accession: B40254	
A	Molecule type: mRNA	
A	Residues: 1-454 <GOZ>	
A	Cross-references: GB:M60468; NID:9199825; PIDN:AAA39751; PID:9199826	
R	Goodwin, R.G.; Anderson, D.; Jerzy, R.; Davis, T.; Brannan, C.I.; Copeland, N.G.; Jenk	
Mol. Cell. Biol. 11, 3020-3026, 1991		
A	Title: Molecular cloning and expression of the type 1 and type 2 murine receptors for	
A	Reference number: A40254; MUID:91246168	
A	Accession: B40254	
A	Molecule type: mRNA	
A	Residues: 1-454 <GOZ>	
A	Cross-references: GB:M60468; NID:9199825; PIDN:AAA39751; PID:9199826	
R	Barrett, K.; Taylor-Fishwick, D.A.; Cope, A.P.; Kissoneghis, A.M.; Gray, P.W.; Feldma	
Eur. J. Immunol. 21, 1649-1656, 1991		
A	Title: Cloning, expression and cross-linking analysis of the murine p55 tumor necrosis	
A	Reference number: S16677; MUID:91285014	
A	Accession: S16677	
A	Molecule type: mRNA	
A	Residues: 1-454 <BAR>	
A	Cross-references: EMBL:X59238; NID:953578; PIDN:CAA41922.1; PID:953579	
R	Rothe, J.G.; Brockhaus, M.; Gentz, R.; Lesslauer, W.	
A	Title: Molecular cloning and expression of the mouse Tnf receptor type b.	
A	Reference number: S19021; MUID:92039815	
A	Accession: S19021	
A	Molecule type: mRNA	
A	Residues: 1-454 <ROT>	
A	Cross-references: EMBL:X57796; NID:954848; PIDN:CAA40936.1; PID:954849	
R	Bebo, B.F.	
Immunogenetics 39, 450-451, 1994		
RESULT 4		
A49053	CD27 antigen precursor - mouse	
CD27 antigen precursor - mouse		
N	Alternate names: CD27L receptor; T cell activation antigen CD27	
C	Species: Mus musculus (house mouse)	
C	Date: 19-Dec-1993 #sequence_revision 22-Apr-1995 #text_change 11-Sep-1998	
C	Accession: A9053	
R	Gravestein, L.A.; Blom, B.; Nolten, L.A.; de Vries, E.; van der Horst, G.; Ossendor	
Eur. J. Immunol. 23, 943-950, 1993		
A	Title: Cloning and expression of murine CD27: comparison with 4-1BB, another lympho	
A	Reference number: A49053; MUID:93209296	

A;Accession: A49053
 A;Molecule type: mRNA
 A;Residues: 1-250 <GIR>
 A;Note: sequence extracted from NCBI backbone (NCBIN:128168, NCBIPI:128169)
 C;Superfamily: CD27 antigen; NGF receptor repeat homology
 C;Keywords: duplication; glycoprotein; homodimer; receptor; surface antigen; T-cell; tra
 F;1-20/Domain: signal sequence #status predicted <SIGN>
 F;21-250/Product: CD27 antigen #status predicted <MAT>
 F;21-250/Domain: extracellular #status predicted <EXT>
 F;27-63/Domain: NGF receptor repeat homology <NG1>
 F;65-105/Domain: NGF receptor repeat homology <NG2>
 F;121-179/Region: proline/serine/threonine-rich
 F;183-202/Domain: transmembrane #status predicted <TM1>
 F;203-250/Domain: intracellular #status predicted <INT>
 F;95,162/Binding site: carbohydrate (Asn) (covalent) #status predicted
 Query Match 11.3%; Score 143.5; DB 1; Length 250;
 Best Local Similarity 25.7%; Pred. No. 8.9e-05;
 Matches 67; Conservative 22; Mismatches 97; Indels 75; Gaps 14;
 QY 3 COENEWWDQWGRGCVTCQRCGPGQELSKDCGCGECDAYCTACPPRKYSSWGH-HKCOSC 61
 QY 44 CPQGXSHPNRSCTCKICKGTVLHDC-LGSLDTCRBCDGNTFRASENHITQCLSC 102
 Db 62 ITC-AVINRVRQVKNCTATSNAVCSDCLPFRYRK---TRIGGLQDQEC----IPCIRQ 110
 Db 103 SKCRSEMSEVOISPECTVDRDTVCG-CRKNOYRKWSETLFCINCLCPNGTVQPLCER 161
 QY 111 TPT-----SEVQCARQLSLVEADPTVPO-----EATIVLSSULWVTL 152
 Db 162 QDTICNCHSHGFFLRKECVSCVNCNADCKNLCPATSETRNDFDGTIVLPLIVIFGL 221
 Db 27 CPDKHIVWTGGCLC--CRMCEBPGTFVFKDCEQDRTA-AQCDPCICETSFSPDYHFRPHCES 83
 QY 61 CITCAVINVRYQVKNCTATSNAVCSDCLPFRYRKTRIGGLQDQECIPTKTOPTPSIVQCAF 120
 Db 84 CRHCNHSGLER--NCTVTANAECSCKNMQ----CRDQETC---DPPNPALTR 130
 QY 121 QLSLVLEADPTVPP-----QEA-----TVALVAVS-----LLVFT 151
 Db 131 QPS---ETPSPOPPPHPHSHTEKESWPLRQLPNISTVYQRSSRPLCSDCITIFVIFS 188
 QY 152 LAFLGFLFLFLYCKQFNRHCOGRGGLQFEADKTAKEESLFR---VPSKETSAESQVSWAPG 209
 Db 189 SMFL-IFVLGAILEFHQRHHGP---NEDROAQPEEPCPYSCREEESSA----- 234
 QY 210 SLAQOLFSLSDVPSVQQQGP 230
 Db 235 -----IPIQEDYRKPE 245

RESULT 5
 JC4302
 tumor necrosis factor receptor p55 precursor - pig
 C;Species: Sus scrofa domestica (domestic pig)
 C;Date: 29-Nov-1995 #sequence_revision 08-Feb-1996 #text_change 23-Jul-1999
 C;Accession: JC4302; PC0493
 R;Suter, B.; Pauli, U.
 Gene 163, 263-266, 1995
 A;Title: Cloning of the cDNA encoding the porcine p55 tumor necrosis factor receptor.
 A;Reference number: JC4302; MUID:96011645
 A;Accession: JC4302
 A;Molecule type: mRNA
 A;Residues: 1-461 <SUT>
 A;Cross-references: GB:019994; NID:9141752; PIDN: AAC48499.1; PID:9141753
 A;Gene: GJB:L1BR
 A;Cross-references: GDB:1230195; OMIM:600979
 A;Map position: 12p13.3-12p13.1
 C;Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology
 Query Match 10.5%; Score 134; DB 2; Length 435;
 Best Local Similarity 21.9%; Pred. No. 0.0009;
 Matches 65; Conservative 29; Mismatches 109; Indels 94; Gaps 15;
 QY 4 QENEWWDQWGRGCVTCQRCGPGQELSKDCGCGECDAYCTACPPRKYSSWGH-COSCI 62
 Db 46 QEKYVYEPHR-ICCSRCPPTVYSAK--SRIRDYCATCAENSYNEHWNLITLCQLCR 102
 A;Cross-references: GB:019994; NID:9141752; PIDN: AAC48499.1; PID:9141753
 A;Gene: GJB:L1BR
 A;Molecule type: protein
 A;Residues: 1-7 <SUT>
 A;Experimental source: kidney cell line 15
 C;Genetics:
 A;Gene: tnf
 C;Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology
 C;Keywords: glycoprotein; kidney; receptor; transmembrane protein; tumor
 F;1-29/Domain: signal sequence #status predicted <SIC>
 F;30-461/Product: tumor necrosis factor receptor p55 #status predicted <MAT>
 F;41-194/Domain: extracellular cysteine rich #status predicted <EXT>
 F;44-62/Domain: NGF receptor repeat homology <NGF>
 F;84-126/Domain: NGF receptor repeat homology <NGF>
 F;211-231/Domain: transmembrane #status predicted <TM1>
 F;361-447/Domain: signal transduction #status predicted <INT>
 F;54,145,151/Binding site: carbohydrate (Asn) (covalent) #status predicted
 Query Match 10.6%; Score 134.5; DB 2; Length 461;

RESULT 6
 154182
 tumor necrosis factor receptor 2-related protein - human
 C;Species: Homo sapiens (man)
 C;Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 17-Mar-2000
 C;Accession: 154182
 R;Baens, M.; Chaffraet, M.; Cassiman, J.J.; Van den Berghe, H.; Marynen, P.
 Genomics 16, 214-218, 1993
 A;Title: Construction and evaluation of a hcDNA library of human 12p transcribed seq
 A;Reference number: 154182; MUID:93252381
 A;Accession: 154182
 A;Status: preliminary; translated from GB/EMBL/PDB/J
 A;Molecule type: mRNA
 A;Residues: 1-435 <RES>
 A;Cross-references: GB:104270; NID:9339761; PIDN:AAA36757.1; PID:9339762
 C;Genetics:
 A;Gene: GJB:L1BR
 A;Cross-references: GDB:1230195; OMIM:600979
 A;Map position: 12p13.3-12p13.1
 C;Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology
 Query Match 10.5%; Score 134; DB 2; Length 435;
 Best Local Similarity 21.9%; Pred. No. 0.0009;
 Matches 65; Conservative 29; Mismatches 109; Indels 94; Gaps 15;
 QY 63 TCAVINRVRQV-NCTATSNAVC-----GDCLPFRYRKTRIG-GL 99
 Db 103 PCDPYMGLEELAFCTSKRKTQCRQPGMCAAWALECTHCELLSDCPGPTEAKLDEVGK 162
 QY 100 QDQECIPE-----TKQPTSEVO---CAFOSLVENDP-----VPPQE 136
 Db 163 GNNHICVPEPKAGHFRNTSPSARQPHTRCENQ-GIVEAAPGTAQSDTCKNLPLGPMP 221
 QY 137 ATLVAVLSSLLVFLVFLARLGLFLYCKOFFNRH-CQRGGLQFEADKTAKEESLFPV 193
 Db 222 SGTMILM---LAVLPLFLAFFLAVTWCIIWKSHPSLCRKLG-----SLLKRR 265
 QY 194 PSKETSAESQVSNAPGSLAQLF-----SLSVPR---IPQQQ 225
 Db 266 PQGEGPNPVAGSNEPPKAHPYFPDLVQPLLPSGDVSPVSLGPAPVLEAVPQQQ 322
 RESULT 7
 A35356
 tumor necrosis factor receptor 2 precursor [validated] - human

N;Alternate names: 75K tumor necrosis factor receptor; TNF receptor type 2
 C;Species: Homo sapiens (man)
 C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 08-Dec-2000
 C;Accession: A35365; A56475; A84816; A3607; A23666; B35010; I8894
 R;Smith, C.A.; Davis, T.; Anderson, D.; Solam, L.; Beckmann, M.P.; Jerzy, R.; Dower, S.K.
 Science 248, 1019-1023, 1990
 A;Title: A receptor for tumor necrosis factor defines an unusual family of cellular and
 A;Reference number: A35356; MUID:90260639
 A;Accession: A35356
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-461 <SMT>
 A;Cross-references: GB:M32315; NID:9189185; PIDN:AA59929.1; PID:9189186
 R;Kohno, T.; Brewer, M.T.; Baker, S.L.; Schwartz, P.E.; King, M.W.; Hale, K.K.; Squires,
 Proc. Natl. Acad. Sci. U.S.A. 87, 8331-8335, 1990
 A;Title: A second tumor necrosis factor receptor gene product can shed a naturally occur
 A;Reference number: A36475; MUID:91045991
 A;Accession: A36475
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-195, 'R' 197-461 <KOH>
 A;Cross-references: GB:M55994; GB:M30549; NID:9339757; PIDN:AA36755.1; PID:9339758
 R;Dembic, Z.; Loetscher, H.; Gubler, U.; Pan, Y.C.; Lahm, H.W.; Gentz, R.; Brockhaus, M.;
 Cytokine 2, 231-237, 1990
 A;Title: Two human TNF receptors have similar extracellular, but distinct intracellular,
 A;Reference number: A48416; MUID:91370690
 A;Accession: A48416
 A;Status: preliminary
 A;Molecule type: mRNA; protein
 A;Residues: 1-461 <DEM>
 A;Cross-references: GB:S63368; NID:9235648; PIDN:AB19824.1; PID:9235649
 A;Note: sequence extracted from NCBI Backbone (NCBINL63368, NCBIPI63371)
 R;Heller, R.A.; Song, K.; Onasch, M.; Fischer, W.H.; Chang, D.; Ringold, G.M.
 Proc. Natl. Acad. Sci. U.S.A. 87, 6151-6155, 1990
 A;Title: Complementary DNA cloning of a receptor for tumor necrosis factor and demonstra
 A;Reference number: A36007; MUID:90349572
 A;Accession: A36007
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 116-140, 'P' 142-195, 'R' 197-362, 'T' 364-461 <HEL> PID:92339752
 A;Cross-references: GB:M35857; NID:9339751; PIDN:AA63262.1; PID:92339752
 R;Loetscher, H.; Schlaeger, E.J.; Lahm, H.W.; Pan, Y.C.E.; Leeslauer, W.; Brockhaus, M.;
 J. Biol. Chem. 265, 20131-20138, 1990
 A;Title: Purification and partial amino acid sequence analysis of two distinct tumor nec
 A;Reference number: A23666; MUID:91056048
 A;Accession: A23666
 A;Status: preliminary
 A;Molecule type: protein
 A;Residues: 23-40, 65-69, 136-141, 300-305 <LOE>
 R;Engelman, H.; Novick, D.; Wallach, D.
 J. Biol. Chem. 265, 1331-1336, 1990
 A;Title: Two tumor necrosis factor-binding proteins purified from human urine. Evidence
 A;Reference number: A35010; MUID:90110215
 A;Accession: B35010
 A;Status: preliminary
 A;Molecule type: protein
 A;Residues: 27-31 <ENG>
 R;Kuhnert, P.; Kemper, O.; Wallach, D.
 Gene 150, 381-386, 1994
 A;Title: Cloning, sequencing and partial functional characterization of the 5' region of
 A;Reference number: I38094; MUID:95121934
 A;Accession: I38094
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-37 <RES>
 A;Cross-references: EMBL:X80021; NID:9666044; PIDN:CAA56324.1; PID:9825701
 C;Genetics: GDB:TNFR2
 A;Gene: GDB:TNFR2
 A;Cross-references: GDB:125914; OMIM:191191
 A;Map position: 1p36.2-1p36.2
 A;Introns: 26/3
 A;Note: the list of introns is incomplete
 C;Superfamily: tumor necrosis factor receptor type 2; NGF receptor repeat homology

RESULT 8
 RESULT1
 tumor necrosis factor receptor 1 precursor - rat
 N;Contains: tumor necrosis factor binding protein 1 (TNF blocking factor)
 C;Species: Rattus norvegicus (Norway rat)
 C;Date: 30-Jun-1992 #sequence_revision 07-Oct-1994 #text_change 22-Jun-1999
 C;Accession: B36555
 R;Hummel, A.; Mauer-Roggy, I.; Kroenke, M.; Scheurich, P.; Pfizenmaier, K.; Lantz, I.;
 DNA Cell Biol. 9, 705-715, 1990
 A;Title: Molecular cloning and expression of human and rat tumor necrosis factor rec
 A;Reference number: A36555; MUID:91090841
 A;Accession: B36555
 A;Molecule type: mRNA
 A;Residues: 1-461 <HIM>
 A;Cross-references: GB:M63122; NID:9207361; PIDN:AA42256.1; PID:9207362
 C;Comment: This protein is one of two known receptors for both TNF-alpha (cachectin)
 C;Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology
 C;Keywords: duplication; glycoprotein; receptor; transmembrane protein
 F;1-29/Domain: signal sequence #status predicted <SIG>
 F;30-461/Product: tumor necrosis factor receptor type 1 #status predicted <SIG>
 F;30-211/Domain: extracellular #status predicted <EXT>
 F;30-211/Product: tumor necrosis factor binding protein #status predicted <TPB>
 F;44-82/Domain: NGF receptor repeat homology <NG4>
 F;84-152/Domain: NGF receptor repeat homology <NG2>
 F;127-167/Domain: NGF receptor repeat homology <NG3>
 F;168-204/Domain: NGF receptor repeat homology <NG4>
 F;212-234/Domain: transmembrane #status predicted <MEM>
 F;235-461/Domain: intracellular #status predicted <INT>
 F;54,151,201/Binding site: carbohydrate (asn) (covalent) #status predicted

Query Match 10.4%; Score 132.5; DB 1; Length 461;
 Best Local Similarity 21.2%; Pred. No. 0.0013; Gaps 15;
 Matches 71; Conservative 25; Mismatches 108; Indels 131; Gaps 15;

QY	3 COENYWWDDWGRCVTCQRRGGPQBLSKCGGTYGEGGDAVKTACPPRRYVSSWH-HKCSC 61
Db	40 CRREYSSDQVETQACTTREQRNC-TCPGWWCALSKQEGCRLCPLRKRCRGFGWAPGTE 155
QY	99 LDQDECIPKTQ----- 111
Db	156 TSDVYCKRCPAGTSNTTSDICRPHQICNVVAIPGNASMDAVCTSTSPTRSMAPGAVH 215
QY	112 -----PTSEVOCAFOLSLVADAPTVPPOEATL-VALVSSLLVVFTLAFTG 156
Db	216 LPQIVSRTSQTQTPERSTAPSISFLPBMGPS-PPAGSTGDRALPVLGIVSYTA-LG 272
QY	157 LFFL-----YCKOFFNRHICORGGLQFBDKT----AEEKELFPVVPVS 195
Db	273 LLIGWVNVIMTQVKKPLCLQ-----REAKVPHLPAKRGTOGPEQOHLITAPSS 326
QY	196 KESAAESQWSMACPSLQALEFSJL-SVPIRQQQPS 229
Db	327 SSSLESSAS-----ALDRRAPRHNQPOAP 351

